

# Kobe Sarausad

[LinkedIn](#)  
[Portfolio](#)

[ksarausa@uw.edu](mailto:ksarausa@uw.edu)  
425-449-3681

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## Education

University of Washington  
*Bachelor of Science in Statistics*  
GPA: 3.55/4.00

Seattle, WA

June 2023

Relevant Coursework: Data Structures and Algorithms ([CSE 373](#)), Foundational Skills for Data Science ([INFO 201](#)), Statistical Computing ([STAT 302](#)), Elements of Statistical Methods ([STAT 311](#)), Data Science and Statistics for Social Science ([STAT 321](#))

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## Experience

Self-Employed  
*Private Tutor*

Issaquah, WA

Jun 2021 – *Present*

- Taught Python data structures and the use of each structure
- Illustrated the steps of data analysis using pandas and matplotlib (cleaning, summarizing, analyzing, and presenting)
- Demonstrated Linear Regression using Pandas and Statsmodel libraries in Python

Hybrid Architecture  
*Architect Intern*

Seattle, WA

Jun 2018 – Sep 2018

- Organized and updated spreadsheets of materials used for projects using google sheets
- Documented the environment and surroundings of future project sites

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## Projects

- *Polarization of Congress* ([R](#))
  - Performed SVD analysis based on the roll calls of the 90ths and 116th congress
  - Presented the analysis in a report format using ggplot and Rmarkdown
- *NFL Betting Dashboard* ([R](#))
  - Used R Shiny to build and deploy an interactive web dashboard for visualizing NFL betting/game data (plotly)
  - Utilized HTML and CSS for better interactivity and appearance
- *Sample R Package* ([R](#))
  - Integrated useful Statistical functions (t-test, linear models, random forest cross-validation)
  - Built own unit tests with 100% Coverage on Codedev
- *Sports Data Visualizations* ([R](#))
  - Analyzed play-by-play data from NFL and MLB using nflfastR and baseballR
  - Employed dplyr to clean and analyze the data, tidymodels to create models, and ggplot/plotly to visually present the data (posted onto [Twitter](#))

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## Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, Adobe Photoshop, Adobe Lightroom
- Computing:
  - Proficient: R
    - Data Analysis: tidyverse, hypothesis testing, statistical prediction, principal component analysis
    - Reporting: ggplot2, RMarkdown, Shiny, kableExtra
    - Development: R package development, unit testing, code coverage, version control via GitHub
  - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, SQL